

**DEPARTMENT**

**WATER UTILITY  
FUND 71**

**Program Description**

The Water Utility is responsible for the day to day operation and maintenance of the Village's wells, towers, services, distribution system, and the metering and billing of all customers. Drawing its water supply from three groundwater wells, the Slinger Water Utility water system also consists of two elevated storage tanks, one ground level storage tank, one supply pumping station, one booster station, two pressure reducing valve (PRV) stations, and approximately 31 miles of distribution water mains. The water system is separated into three pressure zones to meet the service needs of the customers.

In 2017, the Utility pumped approximately 149 million gallons of water and can provide a maximum short-term pumping capacity of approximately 1,100 gallons per minute (gpm).

Future short term improvements as identified in the 2017 water study will be the priorities for this year and future budgets. They include:

1. Water relay and looping in St. Paul Subdivision
2. Replacing water main along James Street west of Hartford Rd.
3. Replacing water main along Water Street from Elm St. to Beine St.
4. Adding an additional high capacity well.

**2018 Accomplishments**

- Replaced aging SCADA radio system with new multismart cellular system.
- Obtained PSC and DNR permits for the Well 3 rebuild/iron filter addition.
- Completed design for Well 3 upgrade/iron filter addition and scheduled to go out for bid by the end of 2018.
- Acquired land necessary for the construction of the Well 3 iron filter.
- Continued the meter replacement, cross connection, hydrant flushing/painting, valve exercising, curb stop repairs, and Wisconsin DNR testing and reporting requirements.
- Interior cleaning and inspection of Lover's Lane water tower.
- Well #5 carbon dioxide treatment. This was the third treatment of a 10-year service agreement with Suez/Utility Services that is designed to maintain the well's pumping capacity without having to pull it every 6-9 years.

### **2019 Objectives**

- Construction of an iron filter at Well#3.
- Continue the meter replacement, cross connection, meter, hydrant flushing, valve exercising, curb stop repairs, and Wisconsin DRN testing and reporting requirements.
- Continue with the future Well 7 investigation to include possible pursuit of land purchases and begin design if feasible.
- Continue populating data and incorporate it in GIS mapping.
- Construct water relay and looping of St. Paul Subdivision.

### **Staffing**

<b>Position</b>	<b>FTE (Full-Time Equivalent)</b>
Utility Operator	2

### **Salary and Wage Distributions**

The Utility Operators' wages range from \$49,296 to \$54,683 annually. Wage amounts are divided between "Pumping Labor Expense", which covers 50%, and "Distribution Operations Labor", which covers 50%. These categories were set up to correspond with reporting requirements established by the Public Services Commission (PSC).

In addition to the staff assigned to this department, the Water Utility pays 30% of the Administrator's salary, 20% of the Engineer's salary, and 30% of the Utilities Superintendent salary under "Admin & General Salaries". The department also funds 20% of the Treasurer/Deputy Clerk's salary and 10% of the Deputy Treasurer's wages under "Accounting & Collect Labor".

### **Account Detail**

46410-460 – Private Fire Protection Sales: This is a charge received from customers who utilize private fire protection systems such as automatic sprinkler systems. The charge is based on the customer's connection size and is a flat monthly rate since the fire protection system itself is an unmetered service.

46410-463 – Public Fire Protection Sales: This is an amount determined by the PSC to cover the use of mains and hydrants used for public fire protection purposes. Half of this amount is paid by the General Fund from levy revenue and half is paid by customers as part of their monthly bill.

46411-454 – Rent of Property: The utility receives an annual rental fee from Verizon for placement of their antenna on one of the utility's water towers. There is also rent received from the Sewer Utility for shared use of meters.

53710-605 – Maintenance of Source: This amount covers required testing of the Village wells.

53720-625 – Maintenance of Pumps: This item covers pump repair and generator maintenance costs.

53740-650 – Maintenance of Reservoirs: This expense is for a maintenance agreement that includes a portion that will be set aside towards the next repainting of a water tower.

53740-651 – Maintenance of Mains: This item is for repairs for any water main breaks and to replace valves as needed. The cost of Diggers Hot Line service also comes out of this category.

53740-654 – Maintenance of Hydrants: This category includes hydrant repairs, parts and replacements.

53740-655 – Maintenance of Other Plant: This cost is for alarms, radios and other equipment that is not specifically pumping or distribution-related.

53740-678 – Maintenance SCADA & Mapping: This account tracks the cost of operating and maintaining the Utility's SCADA (Supervisory Control and Data Acquisition) and mapping systems.

53770-921 – Central Services & Building: This category pays the utility's Central Services fee for administrative support and office and storage space.

53770-923 – Outside Services: This item includes the cost of the utility's annual audit and miscellaneous engineering services.

53770-928 – Regulatory Commission Expense: This account is used to cover the fees associated with a rate case application with the Public Services Commission.

53770-933 – Central Equipment Expense: This category includes the fee paid to the Central Equipment fund for the use of municipal-owned vehicles.

**PROPOSED 2019 BUDGET**  
**WATER UTILITY FUND 71 - REVENUES**

		2017 ACTUAL 7/31/2017	2018 ACTUAL 07/31/2018	PROJECTED YEAR-END	2018 AMENDED BUDGET	2019 PROPOSED BUDGET	% CHANGE
710-46410-000-440	RESIDENTIAL SALES	208,104.29	219,649.87	439,299.74	423,000.00	425,000.00	0.47%
710-46410-000-441	MULTI-FAMILY	4,044.31	4,508.93	9,017.86	8,000.00	9,000.00	12.50%
710-46410-000-442	COMMERCIAL SALES	58,559.97	66,564.52	133,129.04	117,000.00	123,000.00	5.13%
710-46410-000-443	INDUSTRIAL SALES	5,298.08	4,685.61	9,371.22	12,000.00	12,000.00	0.00%
710-46410-000-460	UNMETERED SALES	16,529.02	5,484.44	10,968.88	15,000.00	15,000.00	0.00%
710-46410-000-462	PRIVATE FIRE PROTECTION SALES	10,262.00	11,340.00	22,680.00	50,000.00	25,000.00	-50.00%
710-46410-000-463	PUBLIC FIRE PROTECTION SALES	289,214.74	101,960.57	393,621.14	385,000.00	385,000.00	0.00%
710-46410-000-464	PUBLIC AUTHORITY SALES	14,908.94	16,659.56	33,319.12	35,000.00	35,000.00	0.00%
710-46411-000-450	FORFEITED DISCOUNTS	2,622.20	(8,055.19)	(3,695.94)	5,000.00	5,000.00	0.00%
710-46411-000-454	RENT OF PROPERTY	27,504.00	27,504.00	36,000.00	35,000.00	36,000.00	2.86%
710-46411-000-456	OTHER OPERATING REVENUES	7,244.14	2,231.79	3,825.93	8,000.00	8,000.00	0.00%
710-46412-000-419	WATER INTEREST INCOME	8,316.21	9,677.62	16,590.21	12,000.00	15,000.00	25.00%
710-48125-000-000	GAIN ON INVESTMENTS	(52.73)	(32.38)	(32.38)	-	-	
710-48130-000-000	UNREALIZED GAIN ON INVESTMEN	(2,612.58)	(1,122.61)	(1,122.61)	-	-	
<b>TOTAL FUND REVENUE</b>		<b>649,942.59</b>	<b>461,056.73</b>	<b>1,102,972.20</b>	<b>1,105,000.00</b>	<b>1,093,000.00</b>	<b>-1.09%</b>

**PROPOSED 2019 BUDGET**  
**WATER UTILITY FUND 71 - EXPENDITURES**

		2017 ACTUAL 7/31/2017	2018 ACTUAL 07/31/2018	PROJECTED YEAR-END	2018 AMENDED BUDGET	2019 PROPOSED BUDGET	% CHANGE
710-53710-000-605	MAINTENANCE OF SOURCE	1,914.34	1,772.35	3,038.31	8,000.00	5,000.00	-37.50%
710-53720-000-620	PUMPING LABOR EXPENSE	32,475.68	28,603.28	49,034.19	57,241.00	57,241.00	0.00%
710-53720-000-621	PUMPING POWER EXPENSE	24,552.95	29,737.27	59,474.54	52,000.00	60,000.00	15.38%
710-53720-000-623	PUMPING OPS SUPP & EXP	991.38	2,800.17	4,800.29	10,000.00	8,000.00	-20.00%
710-53720-000-625	PUMPING MAINT. OF PUMPS	7,166.18	11,035.57	18,918.12	20,000.00	18,000.00	-10.00%
710-53730-000-631	WATER TREATMENT CHEMICALS	13,666.27	14,060.16	24,103.13	26,000.00	30,000.00	15.38%
710-53740-000-640	DISTRIBUTION OPERATIONS LABO	32,475.68	32,400.54	55,543.78	57,241.00	57,241.00	0.00%
710-53740-000-641	DISTR OPERATION SUPPLIES	4,148.32	1,508.33	2,585.71	8,000.00	7,000.00	-12.50%
710-53740-000-650	MAINT OF RESERVOIRS	29,111.54	20,967.56	55,000.00	55,000.00	55,000.00	0.00%
710-53740-000-651	MAINTENANCE OF MAINS	3,292.36	5,430.43	30,000.00	30,000.00	30,000.00	0.00%
710-53740-000-652	MAINT OF SERVICES	12,373.23	17,150.90	29,401.54	30,000.00	30,000.00	0.00%
710-53740-000-653	MAINT OF METERS	691.06	38,851.99	8,500.00	8,500.00	8,500.00	0.00%
710-53740-000-654	MAINT OF HYDRANTS	4,685.73	536.54	13,000.00	13,000.00	13,000.00	0.00%
710-53740-000-655	MAINT OF OTHER PLANT	171.88	-	1,000.00	2,000.00	2,000.00	0.00%
710-53740-000-678	MAINT OF SCADA & MAPPING	8,315.12	7,973.95	13,669.63	15,000.00	15,000.00	0.00%
710-53750-000-903	CUSTOMER ACCOUNT SUPPLIES	3,502.90	4,406.61	7,554.19	6,000.00	6,000.00	0.00%
710-53750-000-904	UNCOLLECTIBLE ACCTS	-	8,855.05	-	-	-	
710-53770-000-920	ADMIN. & GENERAL SALARIES	43,324.81	46,719.92	80,091.29	77,243.00	77,273.00	0.04%
710-53770-000-921	CENTRAL SERVICES & BUILDING	26,198.00	25,455.50	48,802.00	48,802.00	48,915.00	0.23%
710-53770-000-923	OUTSIDE SERVICES	7,812.35	7,850.19	9,000.00	7,000.00	7,000.00	0.00%
710-53770-000-924	PROPERTY INSURANCE	-	-	2,730.00	3,675.00	3,675.00	0.00%
710-53770-000-925	INJURIES & DAMAGES INS	-	-	5,459.00	7,348.00	7,348.00	0.00%
710-53770-000-926	EMPLOYEE BENEFITS	34,820.21	35,932.82	61,599.12	80,968.00	81,777.68	1.00%
710-53770-000-928	REG COMM EXPENSE	125.00	941.00	2,000.00	2,000.00	2,000.00	0.00%
710-53770-000-930	SAFETY & TRAINING	1,682.87	2,444.91	4,191.27	5,000.00	4,000.00	-20.00%
710-53770-000-933	CENTRAL EQUIPMENT EXPENSE	33,964.00	35,000.00	70,000.00	70,000.00	71,400.00	2.00%
710-53780-000-403	DEPRECIATION EXPENSE	207,784.00	215,322.00	215,322.00	207,784.00	215,322.00	3.63%
710-53780-000-408	TAXES - PAYROLL	7,792.43	8,373.13	14,353.94	15,105.00	15,105.00	0.00%
710-53780-000-409	TAXES - PROPERTY	-	-	150,782.00	150,782.00	143,853.00	-4.60%
710-53780-000-439	APPR OF INC TO MUNC	-	-	10,931.70	16,824.00	5,209.00	-69.04%
<b>TOTAL FUND EXPENDITURES</b>		<b>543,038.29</b>	<b>604,130.17</b>	<b>1,050,885.77</b>	<b>1,090,513.00</b>	<b>1,084,859.68</b>	<b>-0.52%</b>
<b>NET REVENUE OVER EXPENDITURES</b>		<b>106,904.30</b>	<b>(143,073.44)</b>	<b>52,086.44</b>	<b>14,487.00</b>	<b>8,140.32</b>	